

AMENDMENTS TO THE CLAIMS

1-7. (Canceled)

8. (New) An electromagnetic motor adopting a Δ connection structure, the motor comprising:

a single coil wire wound at least twice over through a sequence, said single coil wire through said sequence being without any cut,

wherein said sequence is said single coil wire extended:

- 1) from a first feeding terminal to a first coil winding unit, said first coil winding unit to a second coil winding unit, and said second coil winding unit to a second feeding terminal;
- 2) from said second feeding terminal to a third coil winding unit, said third coil winding unit to a fourth coil winding unit, and said fourth coil winding unit to a third feeding terminal; and
- 3) from said third feeding terminal to a fifth coil winding unit, said fifth coil winding unit to a sixth coil winding unit, and said sixth coil winding unit to said first feeding terminal.

9. (New) An electromagnetic motor according to claim 8, wherein said single coil wire is hooked at said first, second, and third feeding terminals.

10. (New) An electromagnetic motor according to claim 8, wherein said first through sixth coil winding units each has a magnetic pole face at a front end.

11. (New) An electromagnetic motor according to claim 8, further comprising:

a shaft disposed within a through hole, said through hole extending through a stator core;
magnets fixed to a yoke, said yoke being attached to said shaft.

12. (New) An electromagnetic motor according to claim 11, wherein said first and second coil winding units radially extend from said stator core, said first and second coil winding units being disposed on a diagonal.

13. (New) An electromagnetic motor according to claim 12, wherein said third and fourth coil winding units radially extend from said stator core, said third and fourth coil winding units being disposed on another diagonal.

14. (New) An electromagnetic motor according to claim 13, wherein said fifth and sixth coil winding units radially extend from said stator core, said fifth and sixth coil winding units being disposed on a different diagonal.

15. (New) An electromagnetic motor according to claim 8, wherein said single coil wire is wound around said first through sixth coil winding units.

16. (New) A method of making an electromagnetic motor adopting a Δ connection structure, the method comprising:

- a) extending said single coil wire from a first feeding terminal to a first coil winding unit, said single coil wire being wound around a portion of said first coil winding unit;
- b) extending said single coil wire from said first coil winding unit to a second coil winding unit, said single coil wire being wound around a portion of said second coil winding unit;
- c) extending said single coil wire from said second coil winding unit to a second feeding terminal;
- d) extending said single coil wire from said second feeding terminal to a third coil winding unit, said single coil wire being around a portion of said third coil winding unit;
- e) extending said single coil wire from said third coil winding unit to a fourth coil winding unit, said single coil wire being around a portion of said fourth coil winding unit;
- f) extending said single coil wire from said fourth coil winding unit to a third feeding terminal;

- g) extending said single coil wire from said third feeding terminal to a fifth coil winding unit, said single coil wire being around a portion of said fifth coil winding unit;
- h) extending said single coil wire from said fifth coil winding unit to a sixth coil winding unit, said single coil wire being around a portion of said sixth coil winding unit; and
- i) extending said single coil wire from said sixth coil winding unit to said first feeding terminal,

wherein said single coil wire is wound at least twice over through a sequence of the steps a) through i), said single coil wire through said sequence being without any cut.

17. (Withdrawn-New) An electromagnetic motor adopting a Y connection structure, the motor comprising:

a single coil wire wound at least twice over through a sequence, said single coil wire through said sequence being without any cut,

wherein said sequence is said single coil wire extending:

- 1) from a first feeding terminal to a first coil winding unit, and said first coil winding unit to a first neutral point;
- 2) from said first neutral point to a second coil winding unit, and said second coil winding unit to a second feeding terminal;
- 3) from said second feeding terminal to a third coil winding unit, and said third coil winding unit to a second neutral point;

- 4) from said second neutral point to a fourth coil winding unit, and said fourth coil winding unit to a third feeding terminal;
- 5) from said third feeding terminal to a fifth coil winding unit, and said fifth coil winding unit to a third neutral point; and
- 6) from said third neutral point to a sixth coil winding unit, and said sixth coil winding unit to first feeding terminal.

18. (Withdrawn-New) An electromagnetic motor according to claim 17, wherein said single coil wire is hooked at said first, second, and third feeding terminals.

19. (Withdrawn-New) An electromagnetic motor according to claim 17, wherein said single coil wire is hooked at said first, second, and third neutral points.

20. (Withdrawn-New) An electromagnetic motor according to claim 17, wherein said first through sixth coil winding units each has a magnetic pole face at a front end.

21. (Withdrawn-New) An electromagnetic motor according to claim 17, wherein said single coil wire is wound around said first through sixth coil winding units.

22. (Withdrawn-New) An electromagnetic motor according to claim 17, further comprising:

a shaft disposed within a through hole, said through hole extending through a stator core;

magnets fixed to a yoke, said yoke being attached to said shaft.

23. (Withdrawn-New) An electromagnetic motor according to claim 22, wherein said first and second coil winding units radially extend from said stator core, said first and second coil winding units being disposed on a diagonal.

24. (Withdrawn-New) An electromagnetic motor according to claim 23, wherein said third and fourth coil winding units radially extend from said stator core, said third and fourth coil winding units being disposed on another diagonal.

25. (Withdrawn-New) An electromagnetic motor according to claim 24, wherein said fifth and sixth coil winding units radially extend from said stator core, said fifth and sixth coil winding units being disposed on a different diagonal.